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Axxess GMOS-LAN-01

Metra Axxess GMOS-LAN-01 LAN OnStar Interface Instruction Manual

Model: GMOS-LAN-01 | Brand: Axxess

INTRODUCTION

The Axxess GMOS-LAN-01 interface is designed to facilitate the replacement of your vehicle's original equipment manufacturer (OEM) radio with an aftermarket unit. This interface is specifically compatible with non-amplified 2006-07 GM vehicles that utilize the GMLAN data bus system. It ensures the retention of critical vehicle functions, including the OnStar system, all safety and warning chimes, and the retained accessory power (RAP) feature. Additionally, the GMOS-LAN-01 provides outputs necessary for the installation of a navigation radio and offers adjustable volume control for chimes and OnStar.

PACKAGE CONTENTS

- GMOS-LAN-01 Interface Module
- Wiring Harness for 2006 & Up GM LAN29 Non-amplified OnStar Interface



Image: The Metra Axxess GMOS-LAN-01 interface module with its accompanying wiring harness, showing the main components included in the package.

FEATURES

- Allows replacement of OEM radio with an aftermarket receiver in non-amplified 2006-2008 GM Vehicles using the GMLAN Data Bus system.
- Retains full functionality of the OnStar system.
- Retains warning and safety chimes with adjustable level output.
- Provides output for audible turn signal sound.
- Retains balance and fade functionality.
- Retains the Retained Accessory Power (RAP) convenience features.
- Compatible with non-amplified 2006-07 GM vehicles.
- Adjustable OnStar volume output.
- Adjustable chime volume output.

INSTALLATION INSTRUCTIONS

This section provides general guidelines for installing the GMOS-LAN-01 interface. Professional installation is recommended. Always disconnect the vehicle's battery before beginning any electrical work.

1. Vehicle Disassembly

1. Carefully remove the factory radio and any surrounding trim panels to access the wiring harness. Refer to your vehicle's service manual for specific instructions on dash disassembly.
2. Disconnect the factory wiring harnesses from the OEM radio.

2. Wiring the GMOS-LAN-01 Interface

Connect the GMOS-LAN-01 wiring harness to your aftermarket radio's harness. Match wire colors and functions carefully. Common connections include:

- **Yellow:** 12V Constant Power
- **Red:** 12V Accessory Power (Retained Accessory Power - RAP)
- **Black:** Ground
- **Orange:** Illumination
- **Blue/White:** Amplifier Turn-On (if applicable)
- **Speaker Wires:** Connect to corresponding speaker outputs on the aftermarket radio (e.g., White to Front Left +, White/Black to Front Left -).
- **Navigation Outputs:** Connect the appropriate wires from the GMOS-LAN-01 to your navigation unit (e.g., Reverse, Parking Brake, VSS/Speed Sense).

Ensure all connections are secure using crimp connectors or solder and heat shrink tubing. Avoid loose connections to prevent electrical issues.

3. Connecting the Interface Module

1. Plug the GMOS-LAN-01 wiring harness into the GMOS-LAN-01 interface module.
2. Connect the vehicle-specific harness from the GMOS-LAN-01 module to the factory wiring harness in your vehicle.

4. Testing and Reassembly

1. Reconnect the vehicle's battery.
2. Turn on the vehicle's ignition and test the aftermarket radio's functionality, including audio, OnStar, chimes, and RAP.
3. Verify that all safety and warning chimes are functioning correctly.
4. If all functions are verified, carefully reassemble the dash components.

OPERATING INSTRUCTIONS

The GMOS-LAN-01 interface operates automatically once installed correctly, ensuring the seamless integration of your aftermarket radio with your vehicle's existing systems.

- **OnStar Functionality:** OnStar will function as it did with the OEM radio. The volume for OnStar can be adjusted via the interface settings (refer to the specific instructions provided with the physical product for adjustment methods, typically involving dip switches or programming sequences).
- **Chime Retention:** All factory safety and warning chimes will be retained. The volume of these chimes

is also adjustable through the interface.

- **Retained Accessory Power (RAP):** The RAP feature will continue to function, allowing the radio to operate for a short period after the ignition is turned off, until a door is opened.
- **Navigation Outputs:** If a navigation radio is installed, the GMOS-LAN-01 provides the necessary signals for its proper operation.

TROUBLESHOOTING

If you encounter issues after installing the GMOS-LAN-01, review the following common troubleshooting steps:

- **No Audio/Power to Radio:**

- Check all wiring connections for proper seating and continuity.
- Verify that the vehicle's battery is fully charged and properly connected.
- Inspect vehicle fuses and aftermarket radio fuses.

- **No Chimes/OnStar:**

- Ensure the GMOS-LAN-01 module is receiving power and is correctly connected to the vehicle's data bus.
- Confirm that the speaker output wires from the GMOS-LAN-01 for chimes are connected to the aftermarket radio.

- **Intermittent Functionality:**

- Loose connections are a common cause. Re-check all crimps and solder joints.
- Ensure the module is securely mounted and not subject to excessive vibration.

For further assistance, please contact Metra's Technical Support.

SPECIFICATIONS

Feature	Detail
Model Number	GMOS-LAN-01
Compatibility	Non-amplified 2006-07 GM vehicles with GMLAN data bus
Item Weight	8 ounces (0.23 kg)
Product Dimensions	5.6 x 1.9 x 7.9 inches (14.2 x 4.8 x 20.1 cm)
Manufacturer	Axxess
Date First Available	November 20, 2006

WARRANTY AND SUPPORT

The Axxess GMOS-LAN-01 comes with a **1-Year Warranty** from the date of purchase.

For technical assistance or if you require help with your installation, please contact Metra's Technical Support team.



THE INSTALLER'S CHOICE
**IF YOU NEED HELP WITH
YOUR INSTALLATION,
PLEASE CONTACT
METRA'S TECH SUPPORT**

386-257-1187

Image: Metra's Tech Support contact information, including the phone number 386-257-1187.

Technical Support Phone: 386-257-1187